

For Research Use Only



CoraLite®594-conjugated COX2/ Cyclooxygenase 2/ PTGS2 Monoclonal antibody

Catalog Number: **CL594-66351**

Basic Information

Catalog Number: CL594-66351	GenBank Accession Number: BC013734	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 5743	CloneNo.: 3G2B9
Source: Mouse	UNIPROT ID: P35354	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG2a	Full Name: prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG24721	Calculated MW: 604 aa, 68 kDa	
	Observed MW: 66-70 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P : mouse lung tissue,
Species Specificity: human	

Background Information

COX2 (Prostaglandin G/H synthase 2, PTGS2) mediates the formation of prostaglandins from arachidonate. Its subunit structure is homodimer. The fully N-glycosylated PTGS2 is 72-74 kDa and the aglycosylated is 66 kDa (PMID:19656660). It also expresses a band of 39 kDa after unspecific cleavage (PMID:17509125). The 50 kDa band of fragmented PTGS2 has also previously been detected in AD brains (PMID:14724276).

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

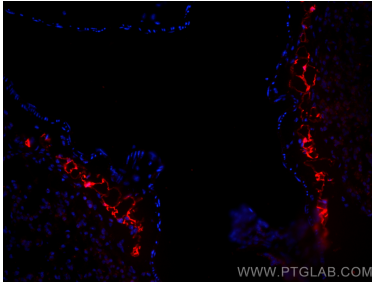
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse lung tissue using CoraLite®594 COX2/ Cyclooxygenase 2/ PTGS2 antibody (CL594-66351, Clone: 3G2B9) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).